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	Productivity of Seam at Mine Faces (tons)			Average Length of Mine Faces (meters)		
	<u>Cutting Machine</u>	<u>Combine</u>	<u>Increase (%)</u>	<u>Cutting Machine</u>	<u>Combine</u>	<u>Increase (%)</u>
Donbass (average)	1.21	1.52	26	104	131	26
Including:						
Stalinugol' Combine	1.21	1.42	17	122	156	24
Artemugol' Combine	1.20	1.27	6	113	151	34
Voroshilovgradugol' Combine	1.03	1.57	52	90	108	20
Donbassantratsit Combine	1.30	1.75	35	106	116	10
Rostovugol' Combine	1.36	1.74	28	87	108	25

The following table shows the results achieved in 66 mine faces of the Donets Coal Basin when operation with cutting machines was converted into the use of combines:

	<u>Before Conversion</u>	<u>1st Qu 50</u>	<u>1st Qu 50 in % of Pre- Conversion</u>	<u>Mar 1950</u>	<u>Mar 50 in % of Pre- Conversion</u>
Average coal output at mine face per day (tons)	149	163	109.3	172	115.4
Average number of workers at mine face per day	63	56	89.0	54	86.0
Labor productivity per worker at mine face (tons)	2.37	2.91	122.5	3.19	134.0

The indexes of Mine No 3-3bis of the Chistyakovantratsit are an excellent example of accelerated production results following conversion. After the adoption of combines, coal output at the mine rose 68.3 percent although the number of workers at the mine faces increased only 4.4 percent during the same period.

	<u>Cutting Machine</u>	<u>Combine</u>	<u>Increase (%)</u>
Av coal output at mine face per day (tons)	147	257	68.3
Length of face (meters)	152.5	175	14.5
Labor productivity per worker at face (tons)	3.6	5.8	61.0
Av number of workers at mine face	40.8	42.5	4.4

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During 1949 mine faces equipped with combines advanced less than mine faces equipped with cutting machines for the Donbass as a whole. In March 1949 this difference amounted to 26 percent and in December 1949 to 5.3 percent. However, the rate of advance of mine faces with combines has steadily increased during 1950; in June 1950 it almost equalled the rate of mine faces equipped with cutting machines. Comparing June 1950 with March 1949, the average rate at which mine faces with combines advanced had increased 38.5 percent, while the average rate of advance of mine faces equipped with cutting machines had only increased 3.5 percent. Indication of this differential increase for Donbass coal enterprises is given in the following table:

Mine Face, Advance Jun 50
% Increase Over Mar 49

	<u>Faces With Combines</u>	<u>Faces With Cutting Machines</u>
Stalinugol' Combine	45.3	0.0
Artemugol' Combine	46.0	1.0
Voroshilovgradugol' Combine	20.0	6.0
Donbassantratsit Combine	48.0	7.0
Rostovugol' Combine	52.0	114.0

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